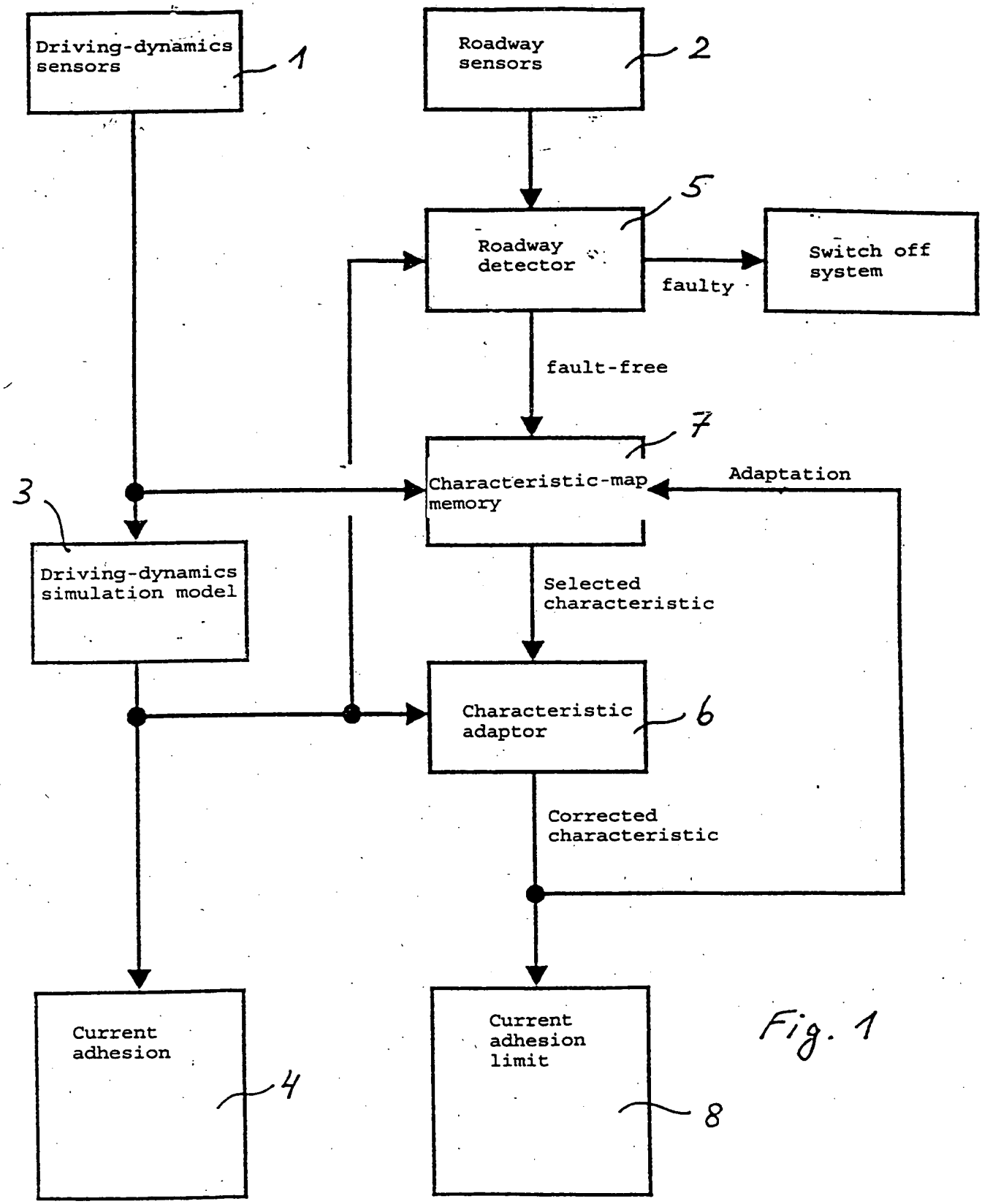
Driving-dynamics sensors
1
Roadway sensors
2
Roadway detector
5
faulty
Switch off system
fault-free
Characteristic-map memory
7
Adaptation
3
Driving-dynamics simulation model
Selected characteristic
Characteristic adaptor
6
Corrected characteristic
Current adhesion
4
Current adhesion limit
8

Fig. 1

X = Possible state of roadway

▓ = Depending on the measured temperature, may apply to only one line

		icy roadway	snow-covered roadway	loose underlying surface	deep water	shallow water	dry roadway
Roadway temperature measurement (redundancy)	very low temp.	▓	▓	▓	▓	▓	▓
	slight frost	▓	▓	▓	▓	▓	▓
	over 0°C			▓	▓	▓	▓
Optical/acoustic method for detecting snow and ice		X	X				
Optical/acoustic method for detecting water					X		
Optical/acoustic method for detecting a dry roadway							X
Evaluation of the adhesion curves gentle initial slope			X	X	X		
. . .							

Fig. 2

DOCKET - 10000000

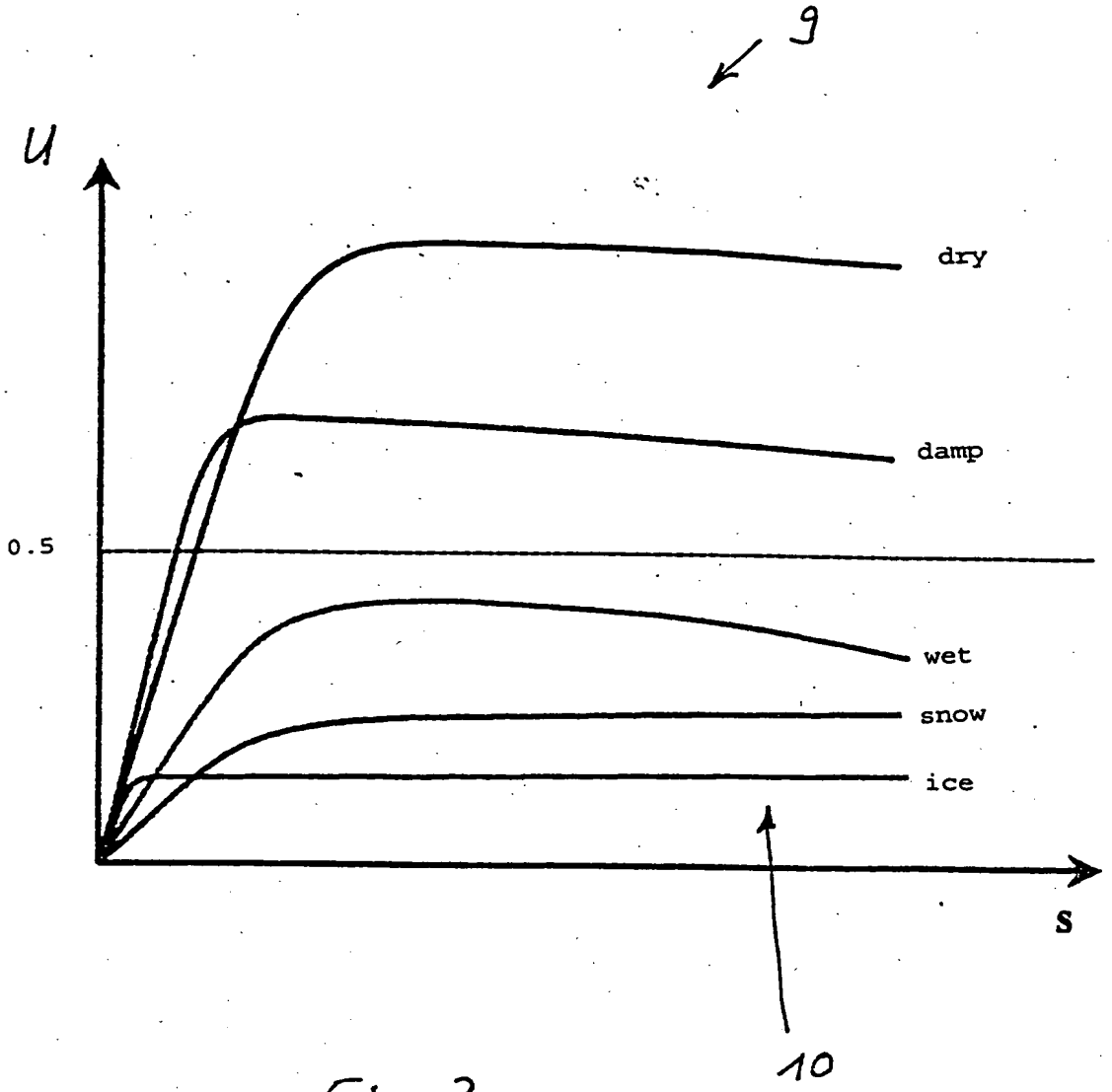

Fig. 3

09601551 - 150200

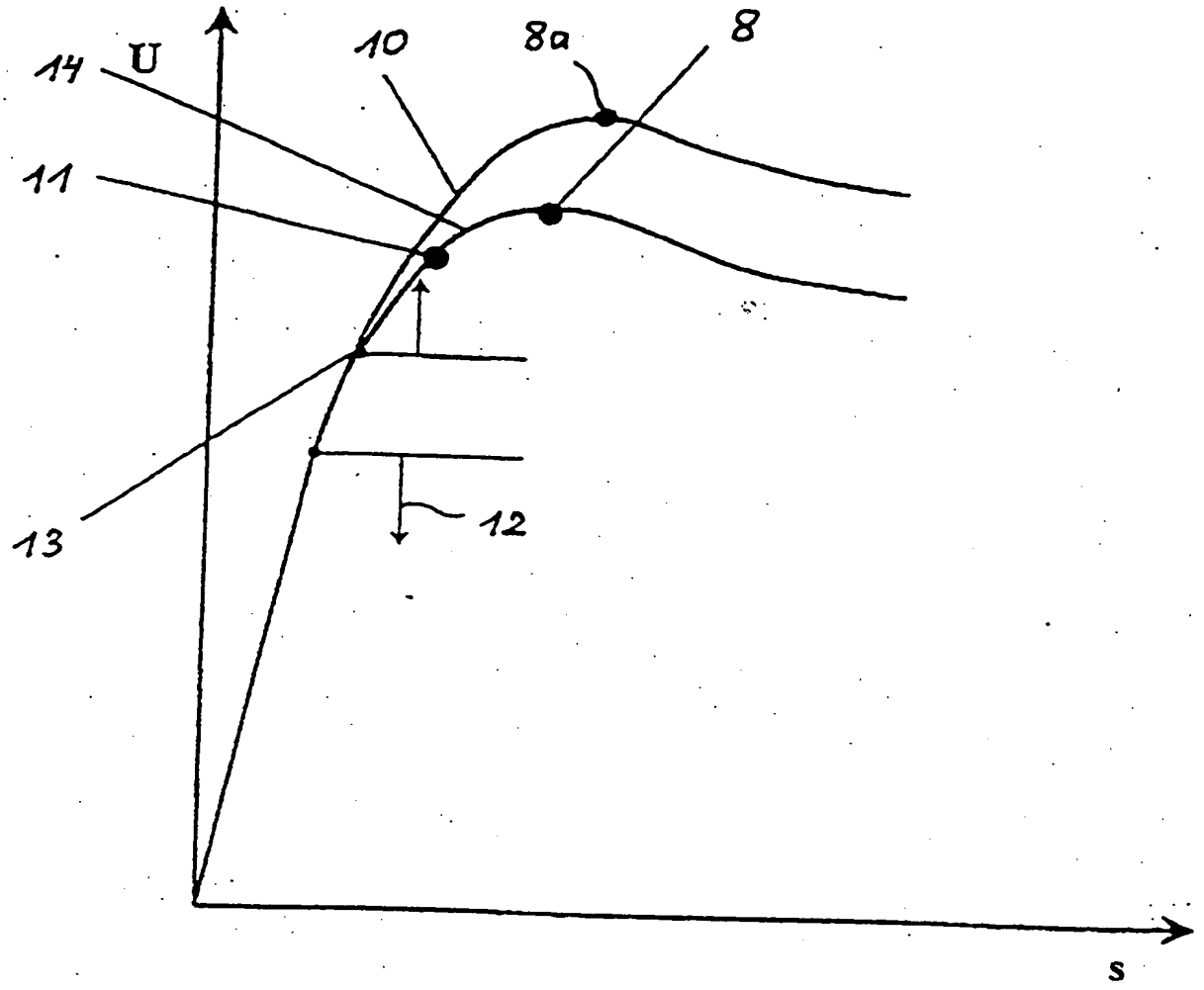

Fig. 4

COPY OF ORIGINAL